

CLAIMS

1 1. Position sensing system, specifically for elevators, comprising at least one sensor
2 which is able to move relative to a transducer for the sensor, characterized in that a scale is
3 provided as the transducer, to which scale a code (11-15, 19) detectable by the sensor is applied
4 by which the position of the sensor relative to the scale is able to be measured.

1 2. Position sensing system according to Claim 1, characterized in that detection of the
2 position is effected by the sensor using a noncontact means.

1 3. Position sensing system according to Claim 1 or 2, characterized in that the scale has
2 multiple magnetic fields.

1 4. Position sensing system according to Claim 1, characterized in that the scale has at
2 least two different codes (11-15, 19) arranged so as to be adjacent to each other.

1 5. Position sensing system according to Claim 1, characterized in that multiple sensors
2 are provided by which redundant scanning of the one or multiple codes (11-15, 19) may be
3 implemented.

1 6. Position sensing system according to Claim 1, characterized in that a comparator is
2 provided which compares the position and/or speed values measured by the two sensors.

1 7. Position sensing system according to Claim 1, characterized in that a code (11-15, 19)
2 has a scale of up to 2 mm.